

What is claimed is:

1. A fixation framework for ring-shaped permanent magnet comprising a ring-shaped permanent magnet and a supporting member for supporting said ring-shaped permanent magnet, wherein:

    said supporting member comprise a synthetic resin; and

    said permanent magnet is integrated with said supporting member by insert-molding.

2. The fixation framework for ring-shaped permanent magnet according to claim 1, wherein said supporting member and said permanent magnet have a spatial relationship in radial direction thereof such that said ring-shaped permanent magnet locates inside, and said supporting member locates outside.

3. The fixation framework for ring-shaped permanent magnet according to claim 2, wherein said permanent magnet comprises a Nd-Fe-B magnetic material, and magnetized in radial direction thereof such that inside and outside thereof have different polarities.

4. The fixation framework for ring-shaped permanent magnet according to claim 3, wherein said permanent magnet has a positive thermal expansion coefficient along a direction of thickness thereof, the direction of thickness thereof being parallel to the direction of magnetizing, and a negative thermal expansion coefficient along a direction of surface thereof, the direction of surface thereof being perpendicular to the direction of magnetizing.